Work Orde August-21-12 2:3				*891	14*						Page 1	
Revision ID:	D212-664-107TRN Crosstube Turning Detai	1 .		Accept	*N900	040	100)* s	etup Start	1 71 .	S1* S2*	_
Required Date: 9		oty: 1.00 Qty: 1.00	*1* *1*		Cust Item 1 Customer:	ID:						
6	Process Plan: ML		2/08/22	7 Tooling: _ SPC (Y/N):		ate:		R	tun Start Stop		R1* R2*	
Sequence ID/ Work Center ID	\$ Operati Descrip			Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Revision Nb	r						16/1/2011/17/25 17602 5		and the second s		
D212-664-147	Rev B(DE0)			- 0.0 Co. (Co. (Co. (Co. (Co. (Co. (Co. (Co.	× 1							
*100 *100* Mori Seiki		EIKI CNC LATHE LARGE		0.00					d	*	£ 12-10	9-4
Mori Seiki CNC Lath	ne Large	1-Fill tube with sand & i		T8534 on both ends as po	er Folio FA705							
		2-Turn first side as per F 3-Blend transition lineser FOLIO REV: DWG REV: *Use mill bastard file, br *Do not use sandpaper co	only, **do not	tedly with file card.							j	
*110	QC1- Insp	pect dimensions to dimension	on sheet	0.00				1	ø	1	C 12-10	0-4
OC		Mama		0.00				70.417				

0.00

Memo

110

Quality Control

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: Date: 12/11/02 ...

									QA Closed:	Date:	12/11/05
Work Orde	r. Qu	7114			DISPOSITION			AGAINST DE	PARTMENT/	PROCESS	
	o. <u>D212-</u>			<u>1tr</u> n	Rework Scrap Use-as-is Work Order Update	- I	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root				Descri	ption of work order update	Initial	Act	ion	Sign &		
Cause	Date	Step	Qty	C	or Non-conformance	Chief Eng	Desci	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other	Hepa	100	1	Stock to (S	Medsuer over l. ee F.A.I. Shed)	DAS 12 12/14/24	Acceptab	le	12/10/24	15/11/21	7AS 16 2-5 17/11/01
Process											
Supplier	_										
Training	_						l				
Unapproved					· · · · · · · · · · · · · · · · · · ·	AULT CATE	GORY				
Landin	g Gear				General	AULI CAIL	OOKI			···	
	Bending Centre No	ot Concei	ntric to (D/S	Bend BOM/Route Broken/Damaged	Grain Hardwa Inspect	ire ion Incomplete		Ovalized Over/Under Part Incorre	<u> </u>	Pressure/Forced Temperature/Cure Weld
	Crushed/0	Crimped.			Burrs	Instruct	tions Incomplete/I	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Cuffs				Contamination	Mainte	enance		Part Moved		
	Heat Trea	t -			Countersink	Mislabe	eled		Positioned V	Vrong	
1	Inspection	n Strip in	Tube		Cut Too Short	Misrea	đ		Power Loss/	Surge	Other
	Ripples in				Drill Holes	Offset					
-	Torque W			n	Drawing	1—1	Calibration				
	Turning S				Finish	\vdash	Sequence				
	Wave/Tw	ist in Tub	e e		Folio	Outside	e Dimensions				

Work Orde		114	•	*89	114*						Page 2
Revision ID:	D212-664-10			Accept	*N90	0040	1100)* 5	Setup Sta	1	IS1* IS2*
	8/21/12	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Ite Custome					1	157"
Approvals:	Process Pla	n:	Data			Date:		I	Run Sta Sto		IR1* IR2*
Sequence ID/ Work Center II 120 *120* Mori Seiki Mori Seiki CNC Lat	Ş	2-Blend trans *Use mill bas *Do not use s FOLIO REV: DWG REV:	d side as per Folio FA7 sition lines only, **do n stard file, brush file repeated and paper coarser than	not sand whole tube**: eatedly with file card.	Tool II	D Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp

130

QC1- Inspect dimensions to dimension sheet

0.00

130

Memo

0.00

Quality Control

1 & KC 12-10-4

NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM	MAN	CE / UPI	DATE					
												f	QA Closed:	D	ate:	
Work Orde	er:					DISPOSITION					AGAINST D	EF	PARTMENT	/PROCESS		
Part f	No.					Rework Scrap Use-as-is Work Order Update		Thern	Skid-ti Machir noform Large	ning	Crosstube Small Fab Finishing Composite			Water Je d. Eng. Coor re/Packagin Supplie	r g	Engineering Quality Other
Root					Descri	ption of work order update		nitial		Act	ion	Т	Sign &			
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng		Descr	iption	╛	Date	Verificati	on	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved					÷.		- AU	.T CATE	GORY					i		
Landi	ng (Gear				General						_				
	_	Bending Centre No Cracks Crushed/ Cuffs Heat Trea Inspectio Ripples in	Crimped. at n Strip in		o/s	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes		Grain Hardwa Inspect Instruct Mainte Mislabe Misread	ion Inco tions Inc enance eled	complete/l	Jnclear		Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N Power Loss/	ct issing Wrong		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
		Torque W	aves in E	xtrusio	n 「	Drawing		Out of (Calibrat	ion						

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Order ID 89114 Page 3 August-21-12 2:30:52 PM *N900040100* D212-664-107TRN Accept Setup Start Item ID: **Revision ID:** Crosstube Turning Detail Item Name: 8/21/12 Start Qty: 1.00 **Start Date: Cust Item ID:** Req'd Qty: 1.00 Required Date: 9/14/12 **Customer:** Reference: Start Run Date: **Tooling:** Process Plan: Date: **Approvals:** Stop **SPC (Y/N):** QC: Date: Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject Insp. Description **Work Center ID** Code Qty **Qty** Number Stamp **Run Hours** 140 QC8- Inspect parts - second check 0.00 IW 17-10-9 *140* 0.00 QC Memo Quality Control 0.00 JW 12-10-26 145 *145* 0.00 Crosstubes Memo Crosstubes GRIND ONLY TRANSITION LINES SMOOTH LONGITUDE WAY. 0.00 150 Ten 12-10-29 *150* 0.00

2- ACID ETCH X-TUBE INSIDE AND OUT, USE RED SCOTCH BRITE

1- PRESSURE WASH X-TUBE INSIDE AND OUT

Memo

HandFXtube

Hand Finishing Crosstubes

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-	CON	NFORM	MANCE / UP	DATE			
											QA Closed:	Date:	
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT	PROCESS	
Work Ord	٠٠.					Rework	1		Skid-tube	Crosstube		Water Jet	Engineering
Part i	No.					Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
						Use-as-is	1		noforming	Finishing	ł	e/Packaging	Other
NCR I	Vo.					Work Order Update	1	,	Large Fab	Composite		Supplier	
											_		·
Root					Descri	ption of work order update		nitial	Ac	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	QC Inspector
Doc/Data	Ш					•							
Equip/Tooling	Ш												
Operator													
Material						-	Ì		•	•			
Setup					}	w.		-	,				
Other			,										,
Process													
Supplier						S							
Training						*							
Unapproved													
						F	AUL	T CATE	GORY				
Landi	ng G	Gear				General					_		
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre N	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re `		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspect	on incomplete		Part Incorre	ct ·	Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	/Unclear	Part Lost/M	issing	Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Part Moved

Positioned Wrong

Power Loss/Surge

Other

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Cuffs

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Packaging

Identify and stock in kanban rack Location: /

180

QC21- Final Inspection - Work Order Release 0.00

0.00 Memo

Quality Control

RM 12-10-29

12/10/31965 MC5 12-10-29

Page 4

Insp.

									DQA:	Date:	
NCR: Yes	s / No				WORK ORDER NON-C	ONFORM	MANCE / UP	DATE	QA Closed:	Date:	
Work Order:					DISPOSITION			AGAINST DE	PARTMENT	/PROCESS	
Part No.					Rework Scrap Use-as-is Work Order Update	Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root				Descript	ion of work order update	Initial	Act	tion	Sign &		
Cause	Date	Step	Qty	or	Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspecto
Doc/Data											
Equip/Tooling]										
Operator											
Material							4				
Setup		1									:
Other											
Process											
Supplier											

Landing Gear General Ovalized Pressure/Forced Bend Grain Bending BOM/Route Over/Under tolerance Temperature/Cure. Centre Not Concentric to O/S Hardware Broken/Damaged Weld Cracks Inspection Incomplete Part Incorrect Crushed/Crimped. Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Burrs Cuffs Contamination Maintenance Part Moved **Heat Treat** Countersink Mislabeled Positioned Wrong Other Inspection Strip in Tube Cut Too Short Misread Power Loss/Surge Drill Holes Offset Ripples in Bend Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Finish Out of Sequence Wave/Twist in Tube Folio Outside Dimensions

FAULT CATEGORY

Training Unapproved

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

* Picklist Print

August-21-12 2:30:52 PM

Work Order ID:

89114

Parent Item:

D212-664-107TRN

Parent Item Name:

Crosstube Turning Detail

Start Date: 8/21/12

Required Date: 9/14/12

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A New Issue 08-03-06 DD Verified by:ec

IPP Rev B Removed polish 08.04.02 EC verified: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6019-128		Manufactured	No			110	Each	48.0000	1	1			
Crosstube Material									C			· · · · · · · · · · · · · · · · · · ·	
				Location		Loc Qty	<u>Lo</u>	c Code					
				LG		48							
				698		17				<u>/</u>	K		2-10-6
				756	33	24							
				797	41	7							

3						to a			30		DQA:	Date:	
NCR:	Yes /	No		`		WORK ORDER N	ON-CO	NFORM	MANCE / UP	DATE	QA Closed:	Date:	10
Work Ord	or:					DISPOSITION				AGAINST D	EPARTMENT,	PROCESS	
Part f						Rewo Scr Use-as Work Order Up	ap is ite	I Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descr	iption of work order upo	late =	Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Cl	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved		s',		ż	i.						,	•	
							FAU	LT CATE	GORY				
Landi	Ce Cra	nding ntre No acks ushed/C	t Concer		o/s	General Bend BOM/Route Broken/Damaged Burrs		Instruct	on Incomplete ions Incomplete/	/Unclear	Ovalized Over/Under Part Incorre Part Lost/M	ct	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
	Cu	tts				Contamination	1	Mainte	enance	i i	Part Moved		

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Positioned Wrong Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

DART AEROSPACE LTD	Work Order:	89114
Description: Crosstube Assembly (205/212/412 Low Fwd)	Part Number:	D212-664-147
Inspection Dwg: D212-664-147 Rev: B		Page 1 of 2

FIRST ARTICLE INSPECTION CHECKLIST

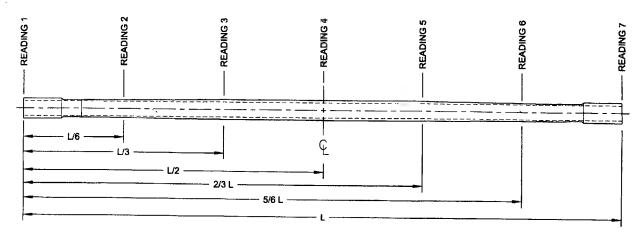
	nspection Sheet awing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	0.313	+/-0.010	-336-33	3 /	,	WERNUS	1005928
	2.360	+0.005/-0.000	2.365			VERN	CNC-08
	2.360	+0.005/-0.000	2.366		1	_	
	2.366	+0.005/-0.000	2.369		TAKEN		1
	2.473	+0.005/-0.000	2.477	/	<i>©</i> ,		
	2.573	+0.005/-0.000	2.575		-60"		
EA	2.673	+0.005/-0.000	2.678				
SIDE	2.750	+0.005/-0.000	2.750				
	2.750	+0.005/-0.000	2.750			4	#
			*	TAKENCO	60."		
	0.313	+/-0.010	.3.33			VORN U.S	1005928
	2.360	+0.005/-0.000	2.365			VERN	CNE-08
}	2.360	+0.005/-0.000	2.366				
	2.366	+0.005/-0.000	2.368				1
}	2.473	+0.005/-0.000	2.476				
B	2.573	+0.005/-0.000	2.575				
	2.673	+0.005/-0.000	2.678				
SIDE	2.750	+0.005/-0.000	2750				
	2.750	+0.005/-0.000	2.750			b	R
	0.126.528	+/-0.020	126.528			TAPE	16-22

H: FORMS\Quality Assurance\approved QA\ FAlxtube Rev C

 urbār.	

DART AEROSPACE LTD	Work Order:	89115
Description: Crosstube Assembly (205/212/412 Low Fwd)	Part Number:	D212-664-147
Inspection Dwg: D212-664-147 Rev: B		Page 2 of 2

WALL THICKNESS MEASUREMENT



	WALL	THICKNESS	MEASUREME	NT (IN)	Deviation	
Location	w1	w2	w3	w4	Δw (max-min)	TOLERANCE
READING 1 L= 0"	.134	.127.	. 121	. 122	.013	
READING 2 L=	.158	158	165	. 160	.007	
READING 3	.305	.316	.320	308	.015	
READING 4 L=	.322.	.33 B	.328	.315	.02+08	0.048"
READING 5 L=	.310	,328	.316	.298	.030	
READING 6 L=	.161	.179	-160	.140	. 039	
READING 7 L=	.128	.138	.127.	.114	.024	ļ

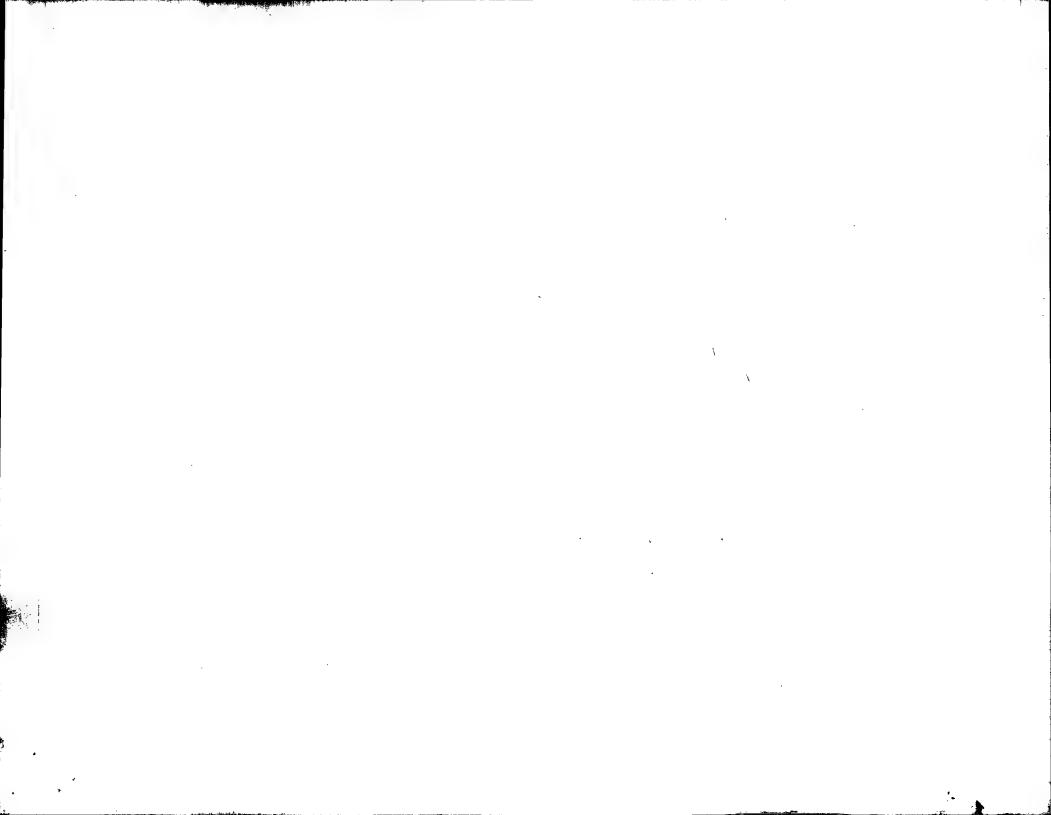
Calibration Result

Actual Block Thickness: 100 - 500

Sitescan 250 Measured Thickness: 100-500

Measured by: KC	Audited by:	The	Prototype Approval:	N/A
Date: 12-10-05	Date:	17-10-9	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	08.11.07	New Issue (P/O D212-664-107)	KJ/EC	Apploted
В	10.02.02	Dimension 126.528 was 126.53	KJ IA	11
С		Wall thickness form added	KJ O	+- <i>N</i>
			77)	





Item	Qty -147	Qty -147B	Part Number	Description
	X		D212-664-147	CROSSTUBE ASSEMBLY (205/212/412 LOW FWD)
2		X	D212-664-147B	CROSSTUBE ASSEMBLY (214 LOW FWD)
. 3	1	1	D6019-128	CROSSTUBE
4	2	2	D2893-1	SUPPORT
5	4	4	D3595-063-450	RUBBER CUSHION
6	2	2	D3659-1	CUFF
7	4	4	MS21920-25	CLAMP (OR MS21920-26)
8	44	44	CR3212-4-06	RIVET (OR M7885/3-4-06)
9	A/R	A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023 ADHESIVE (TEXTRON/BELL SPEC 299-947-100, TYPE II, CLASS 2 ADHESIVE)
10	A/R	A/R	SIKAFLEX-241/-291	SEALANT (OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT)

GENERAL NOTES:

8

D

В

1) MATERIAL: MANUFACTURED FROM D6019-128

FINISHED LENGTH = 126 528±0.020 (BEFORE BENDING/TRIMMING)

2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2

PAINT OUTSIDE PER DART QSI 005 4 2

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

UNITS: INCHES UNLESS OTHERWISE NOTED.

BREAK SHARP EDGES. 0.005 TO 0.010 MAX

IDENTIFICATION: SCRIBE DART PART NUMBER "D212-664-XXX" AND BATCH NUMBER ON INSIDE OF CUFF USING VIBRATING STYLUS.

WEIGHT. D212-664-147 = 24.2 lbs (PER IIN-D212-664) D212-664-1478 = 24.2 lbs (PER IIN-D212-664) PART IS SYMMETRIC ABOUT CENTERLINE.

WHEN MACHINING TAPER, RUN CUTTER OFF PART. BLEND OUT EDGE LONGITUDINALY, TRANSITION SHOULD 8F SMOOTH

10) BEND PROGRESSIVELY WITH A MINIMUM OF 8 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D., EXCEPT UP TO 10% IS ALLOWED IN AREA NOTED.

11) LIQUID PENETRANT INSPECT OUTSIDE SURFACE OF CROSSTUBE PER QSI 038
12) INSTALL D2893-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 TO THE SURFACE OF D2893-1 THAT WILL BE IN CONTACT WITH THE CROSSTUBE PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.

- 13) INSTALL MS21920-25 CLAMPS (OR -26) WITH D3595-063-450 RUBBER CUSHIONS TO SECURE THE D2893-1 SUPPORT ON TOP SIDE OF THE CROSSTUBE. ENSURE CLAMPS ARE OPPOSITE OF CROSSTUBE SUPPORT. 14) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SUPFACE OF THE TUBE THE OUTSIDE. SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES, NICKS, OR DENTS DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING
- 16) INSTALL D3659-1 CUFF AFTER CHEMICAL CONVERSION COAT BUT BEFORE PAINT, WITH A LAYER OF SIKAFLEX-241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT BETWEEN CUFF AND CROSSTUBE SEAL EDGE OF CUFF TO ENSURE NO GAPS.

17) TOUCH-UP HOLES WITH CHEMICAL CONVERSION COAT

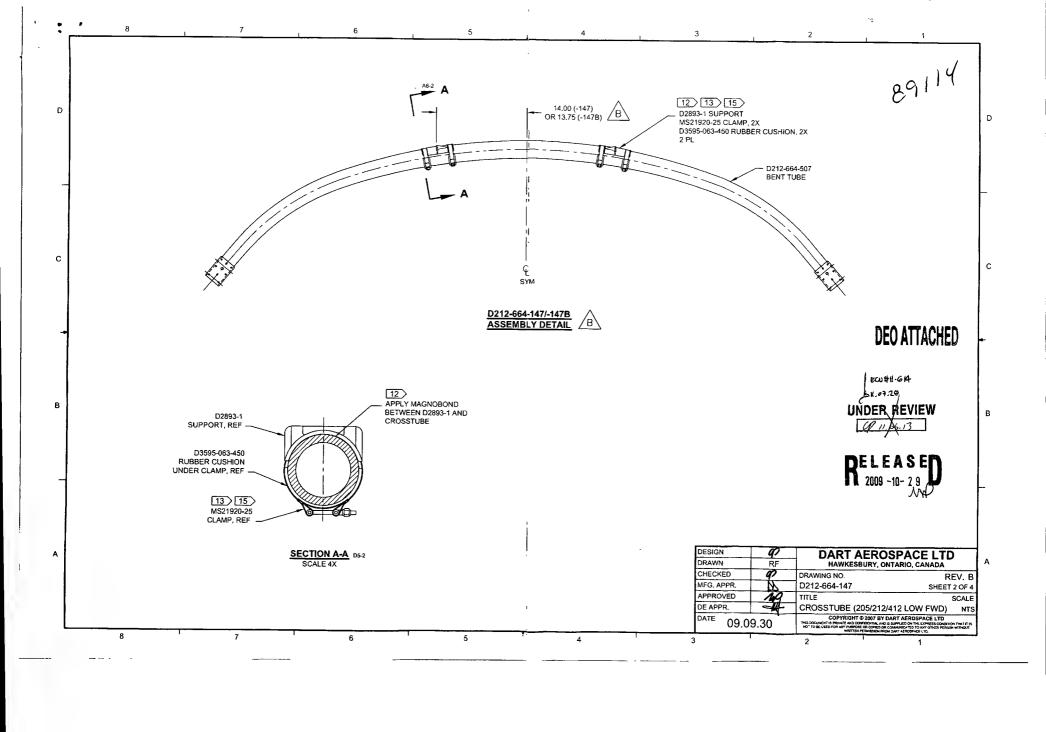
SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER MLJ 12/08/22

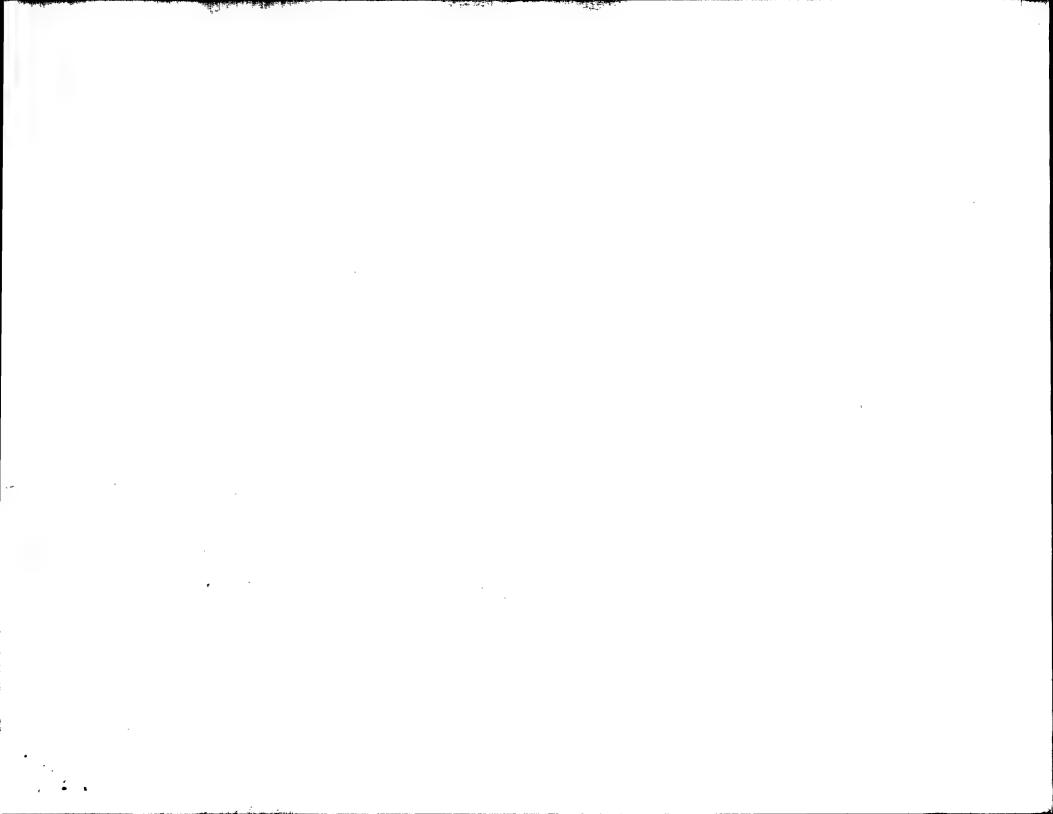
DEO ATTACHED

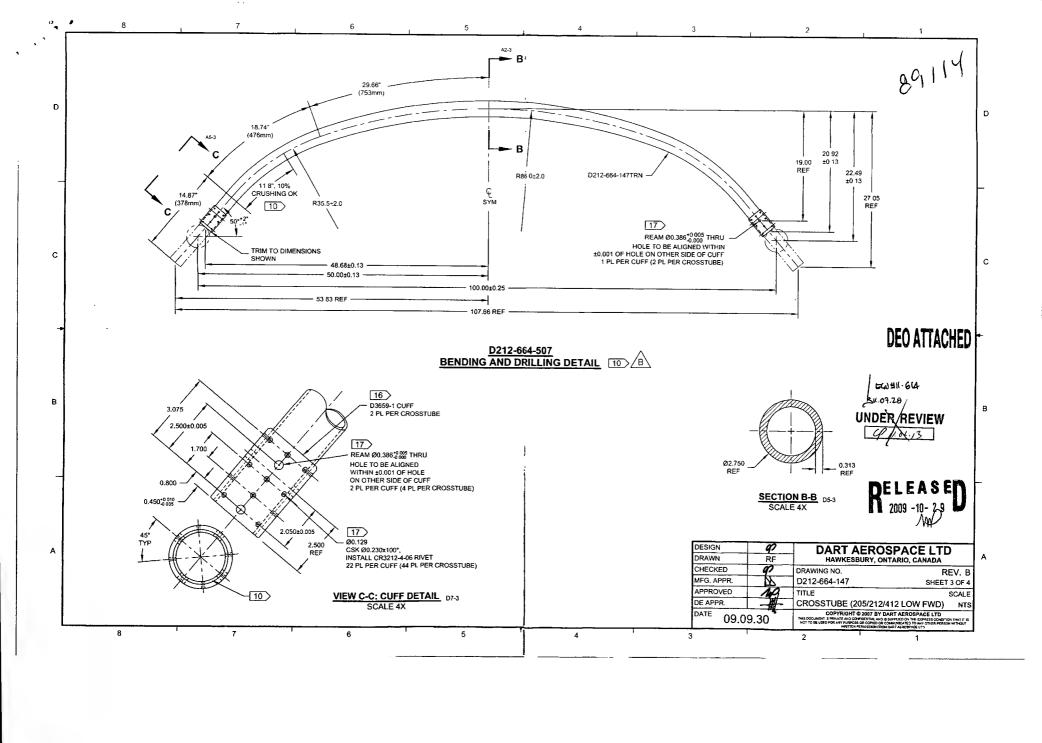
PER ECN411.614 ÚNDEŘ REVIEW

В		GENERAL N	RF	09.09.30	
_ A_	NEW IS	BUE		CP	07.07.07
REV.			DESCRIPTION	BY	DATE
DESIGN		9	DART AEROSP	ACE	ITD
DRAWN		RF	HAWKESBURY, ONTAR		
CHECKE	ED	97	DRAWING NO.		REV. B
MFG, AF	PPR.	Z	D212-664-147	S	SHEET 1 OF 4
APPRO\	VED	10	TITLE		SCALE
DE APPR.		/-	CROSSTUBE (205/212/412 LOW FWD) NTS		
DATE 09.09.30			COPYRIGHT © 2007 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFEDENTIAL AND IS SUPPLIED ON THE EXPRESS DETAILMENT IT IS NOT TO BE USED FOR ANY PARTICUS OR COMEAU OR COMMUNICATIO TO ANY OTHER PERSON WITHOUT WRITTEN PRIMASSORIF MOREON DART ARROPORD CT TO.		

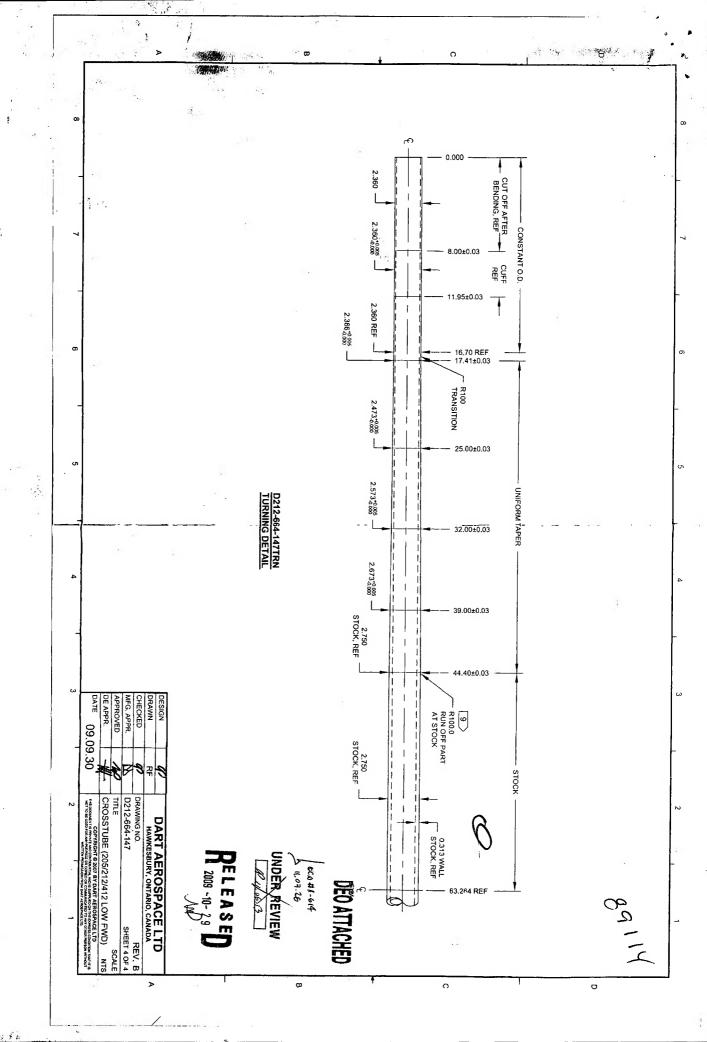
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· · ·						T-	ė	



DRAWING NO.	TITLE	REV. B	DART AF	ROSPACE LTD	D.E.O. NO.		SHEET NO.	SCALE
D212-664-147	CROSSTUBE ASS'Y			RING ORDER	D212-664-	147-B-1	SHEET 1 OF 1	NTS
DRAWN 97	CHECKED	15	MFG. APPR.	.17		/ /	DE APPR.	
DATE 11.07	15 DATE	11.07.20	DATE	11.07.21	DATE 1A	107/21	DATE 11.07.7	<u> </u>

PURPOSE:

REPLACE MAGNOBOND WITH PROSEAL.

29114

CHANGE:

IS:

item	Qty -147	Qty -147B	Part Number	Description
9	A/R	A/R	PROSEAL 890 B-2	SEALANT, AMS-S-8802 CLASS B-2

WAS:

9	A/R	A/R	MAGNOBOND 6398	ROCKWELL SPECIFICATION RBO-120-023
			1	ADHESIVE (TEXTRON/BELL SPEC. 299-947-100,
	<u> </u>			TYPE II, CLASS 2 ADHESIVE)

NOTE 12 & 15, SHEET 1 IS AMENDED AS FOLLOWS:

IS:

- 12) TO INSTALL D2893-1 SUPPORT: ABRADE MATING SURFACE OF SUPPORT AND CROSSTUBE WITH 180-GRIT SANDPAPER AND REMOVE RESIDUE WITH MEK (OR EQUIVALENT). APPLY A 0.04" TO 0.07" THICK LAYER OF PROSEAL 890 CLASS B-2 (OR AMS-S-8802 CLASS B-2) SEALANT TO MATING SURFACE OF SUPPORT.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER PROSEAL 890 SEALANT HAS CURED FOR 72 HOURS.

WAS:

- 12) INSTALL D2893-1 SUPPORT USING 0.03" TO 0.06" THICK LAYER OF MAGNOBOND 6398 TO THE SURFACE OF D2893-1 THAT WILL BE IN CONTACT WITH THE CROSSTUBE PER QSI 015. LET CURE FOR 12 HOURS AFTER INSTALLATION AND PRIOR TO PACKAGING.
- 15) TORQUE CLAMPS 80 TO 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.



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